

JULY 2009 SUMMARY...

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...JULY 2009 WAS COOLER THAN NORMAL ACROSS MOST OF THE REGION. A PERSISTENT UPPER TROUGH ALONG THE WEST COAST DURING THE FIRST TWO WEEKS OF JUNE RESULTED IN MUCH BELOW NORMAL TEMPERATURES...ESPECIALLY FOR INLAND AREAS. A BRIEF WARM-UP OCCURRED FOR A FEW DAYS DURING THE MIDDLE OF THE MONTH AS WEAK RIDGING DEVELOPED. BUT A TROUGH REDEVELOPED DURING THE THIRD WEEK IN JUNE AND COOL WEATHER RETURNED. IT WASN'T UNTIL THE FINAL WEEKEND OF JUNE...WHEN A STRONG UPPER RIDGE DEVELOPED ALONG THE WEST COAST...THAT TEMPERATURES CLIMBED SIGNIFICANTLY ABOVE NORMAL.

HIGH TEMPERATURES FOR THE MONTH OF JUNE WERE GENERALLY A FEW DEGREES BELOW AVERAGE. HOWEVER...MINIMUM TEMPERATURES WERE SLIGHTLY ABOVE THE 30 YEAR AVERAGE AT A MAJORITY OF OUR CLIMATE STATIONS. LOW TEMPERATURES WERE MOST NOTABLY ABOVE NORMAL AT COASTAL STATIONS. MILD NIGHTTIME TEMPERATURES NEAR THE COAST WERE AT LEAST PARTIALLY THE RESULT OF WARMER THAN NORMAL SEA SURFACE TEMPERATURES THAT DEVELOPED DUE TO A LACK OF STRONG NORTHWEST SURFACE WINDS OVER THE COASTAL WATERS...AND THUS LACK OF SIGNIFICANT UPWELLING...FOR MUCH OF THE MONTH.

OVERALL...JUNE WENT INTO THE RECORD BOOKS AS BEING COOLER THAN NORMAL. THE HEAT WAVE DURING THE FINAL WEEKEND OF THE MONTH PRODUCED TRIPLE-DIGIT HIGH TEMPERATURES AT MANY INLAND VALLEY LOCATIONS. THIS HEAT WAVE HELPED BOOST TEMPERATURES FOR THE MONTH AND PREVENT A MORE SIGNIFICANT NEGATIVE DEPARTURE FROM NORMAL.

JUNE IS TYPICALLY A DRY MONTH ACROSS THE REGION WITH MONTHLY RAINFALL GENERALLY AVERAGING LESS THAN A QUARTER INCH. JUNE 2009 WAS DRIER THAN NORMAL WITH NEARLY ALL REPORTING LOCATIONS ACROSS OUR REGION ACCUMULATING LESS THAN HALF THE NORMAL JUNE RAINFALL. THE EXCEPTION WAS AT LIVERMORE WHERE A THUNDERSTORM ON JUNE 3 DROPPED 0.11 OF AN INCH OF RAINFALL...BOOSTING MONTHLY PRECIPITATION ABOVE 100 PERCENT FOR THAT PARTICULAR LOCATION.

...JULY REGIONAL TEMPERATURE SUMMARY...

LOCATION	DEPARTURE			DEPARTURE		
	AVG HIGH	NORMAL HIGH	FROM NORMAL	AVG LOW	NORMAL LOW	FROM NORMAL
NORTH BAY...						
ANGWIN	77.9	81.1	-3.2	49.7	50.8	-1.1
CLOVERDALE	85.2	87.0	-1.8	53.4	54.4	-1.0
FORT ROSS	65.0	65.7	-0.7	48.2	46.3	1.9
HEALDSBURG	83.3	85.3	-2.0	52.5	53.2	-0.7
KENTFIELD	80.0	85.0	-5.0	51.3	52.2	-0.9
NAPA	80.4	85.0	-5.0	51.3	52.2	-0.9
PETALUMA	76.0	78.6	-2.6	51.0	50.5	0.5
SAINT HELENA	82.3	84.9	-2.6	53.1	52.0	1.1
SAN RAFAEL	79.5	81.2	-1.7	53.1	54.6	-1.5

SANTA ROSA	79.8	82.1	-2.3	50.9	52.4	-1.5
SONOMA	79.2	85.3	-6.1	49.5	50.4	-0.9

SAN FRANCISCO PENINSULA...

HALF MOON BAY	65.3	64.3	1.0	52.8	52.0	0.8
PACIFICA	69.9	69.0	0.9	56.9	50.7	6.2
PALO ALTO	75.0	77.3	-2.3	51.5	52.2	-0.7
REDWOOD CITY	79.8	82.7	-2.9	56.1	55.0	1.1
SAN FRANCISCO						
AIRPORT	70.0	71.9	-1.9	54.5	54.5	0.0
SAN FRANCISCO						
DOWNTOWN	64.4	67.7	-3.3	53.6	54.4	-0.8
WOODSIDE	81.0	84.0	-3.0	51.0	48.3	2.7

EAST BAY...

CONCORD	86.0	87.4	-1.4	55.9	58.2	-2.3
FREMONT	77.1	79.3	-2.2	55.5	56.9	-1.4
LIVERMORE	81.6	84.1	-2.5	55.0	52.5	2.5
MARTINEZ	83.3	85.3	-2.0	M	53.6	M
MOUNT DIABLO						
JUNCTION	72.1	78.5	-6.4	52.6	53.0	-0.4
NEWARK	73.5	74.5	-1.0	56.8	56.0	0.8
OAKLAND	70.1	72.4	-2.3	54.9	57.0	-2.1
RICHMOND	69.0	71.4	-2.4	54.0	55.7	-1.7

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	78.0	81.9	-3.9	49.6	48.2	1.4
GILROY	86.9	88.3	-1.4	54.9	54.5	0.4
LOS GATOS	79.3	81.8	-2.5	53.3	51.3	2.0
MOUNT HAMILTON	67.7	72.0	-4.3	52.0	55.3	-3.3
SAN JOSE	80.0	82.8	-2.8	57.1	57.5	-0.4
SANTA CRUZ	73.9	74.5	-0.6	53.1	52.5	0.6
WATSONVILLE	69.8	71.0	-1.2	53.3	51.0	2.3

MONTEREY AND SAN BENITO COUNTIES...

BIG SUR STATION	75.6	76.2	-0.6	49.0	50.3	-1.3
CARMEL VALLEY	77.1	77.5	-0.4	50.7	49.2	1.5
HOLLISTER	82.5	80.4	2.1	52.5	52.6	-0.1
KING CITY	85.7	84.7	1.0	53.0	51.7	1.3
MONTEREY	65.4	67.1	-1.7	52.0	50.4	1.6
PINNACLES NATIONAL						
MONUMENT	80.9	87.5	-6.6	42.0	46.8	-4.8
SALINAS	70.6	71.3	-0.7	52.9	54.2	-1.3

...JUNE REGIONAL PRECIPITATION SUMMARY...

LOCATION	JUNE TOTAL	AVERAGE JUNE PRECIP	PERCENT OF NORMAL
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NORTH BAY...

ANGWIN	0.00	0.26	0
CLOVERDALE	0.00	0.12	0
FORT ROSS	0.03	0.35	9
HEALDSBURG	0.00	0.17	0
KENTFIELD	0.01	0.24	4
MUIR WOODS	0.12	0.34	35
NAPA	0.05	0.16	31
OCCIDENTAL	0.01	0.34	3
PETALUMA	0.07	0.16	44
SAINT HELENA	0.00	0.19	0
SAN RAFAEL	0.01	0.13	8
SANTA ROSA	0.06	0.19	32
SONOMA	0.02	0.19	11

SAN FRANCISCO PENINSULA...

HALF MOON BAY	0.15	0.26	58
PACIFICA	0.00	0.29	0
PALO ALTO	0.00	0.10	0
REDWOOD CITY	0.06	0.10	60
SAN FRANCISCO AIRPORT	0.04	0.11	36
SAN FRANCISCO DOWNTOWN	0.00	0.13	0
WOODSIDE	0.05	0.14	36

EAST BAY...

CONCORD	0.00	0.11	0
FREMONT	0.03	0.07	43
LIVERMORE	0.11	0.09	122
MARTINEZ	0.00	0.12	0
MOUNT DIABLO JUNCTION	0.00	0.15	0
NEWARK	0.05	0.12	42
OAKLAND	0.02	0.12	17
RICHMOND	0.05	0.17	29

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	0.06	0.22	27
LOS GATOS	0.00	0.10	0
MOUNT HAMILTON	0.04	0.24	17
SAN JOSE	0.01	0.10	10
SANTA CRUZ	0.00	0.11	0
WATSONVILLE	0.02	0.12	17

MONTEREY AND SAN BENITO COUNTIES...

BIG SUR STATION	0.10	0.27	37
CARMEL VALLEY	0.05	0.10	50
HOLLISTER	0.00	0.08	0

KING CITY	0.03	0.07	43
MONTEREY	0.14	0.20	70
PINNACLES NATIONAL MONUMENT	0.00	0.08	0

...DAILY RECORDS FOR JUNE 2009...

SAN FRANCISCO AIPORT...JUNE 10...DAILY RECORD MAXIMUM RAINFALL OF 0.03 INCHES BROKE THE OLD RECORD OF 0.02 INCHES SET IN 1998.

OAKLAND AIRPORT...JUNE 21...LOW TEMPERATURE OF 50 DEGREES WAS A RECORD LOW...TIED THE RECORD LOW SET ON THE SAME DATE IN 1953.

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE....66.4....51ST WARMEST
 AVERAGE LOW TEMPERATURE.....54.5....17TH WARMEST
 AVERAGE TEMPERATURE.....60.5....33RD WARMEST

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DYKEMA